

TABLE 6, page 1 of 5

CL001510

Marker	Gene Name	hCG	Sample Set	p-value	OR	Case Freq.	Cntrl Freq.	Allele	Strata	Status
hCV11506744	HRC	hCG16212	S0012	0.00720	0.76	0.41	0.48	C	All	STATUS2
hCV11506744	HRC	hCG16212	V0002	0.01704	0.78	0.40	0.46	C	All	STATUS9
hCV11951412	NEUROD1	hCG1776881	S0012	0.01553	0.78	0.36	0.42	T	All	STATUS1
hCV11951412	NEUROD1	hCG1776881	V0002	0.02186	0.83	0.36	0.40	T	All	STATUS8
hCV12023148	DEGS	hCG1736748	S0012	0.02456	0.45	0.88	0.94	C	Female	STATUS5
hCV12023148	DEGS	hCG1736748	S0012	0.00532	0.38	0.87	0.95	C	Smoke-	STATUS5
hCV12023148	DEGS	hCG1736748	V0002	0.00053	0.47	0.88	0.94	C	All	STATUS12
hCV1526318	FLJ10922	hCG15259	S0012	0.02640	0.58	0.65	0.76	G	Male	STATUS3
hCV1526318	FLJ10922	hCG15259	S0012	0.04033	0.63	0.64	0.74	G	Smoke+	STATUS3
hCV1526318	FLJ10922	hCG15259	V0002	0.00394	0.56	0.62	0.74	G	All	STATUS10
hCV15965459	ZNF350	hCG1772922	S0012	0.01339	0.52	0.86	0.92	T	Female	STATUS1
hCV15965459	ZNF350	hCG1772922	V0002	0.00631	0.74	0.83	0.86	T	All	STATUS8
hCV16246344	ELAVL4	hCG2031550	S0012	0.04318	0.27	0.97	0.99	C	Old	STATUS2
hCV16246344	ELAVL4	hCG2031550	S0012	0.00925	0.18	0.96	0.99	C	Smoke-	STATUS2
hCV16246344	ELAVL4	hCG2031550	V0002	0.01670	0.45	0.96	0.98	C	All	STATUS9
hCV1841567	AGTR2	hCG1723753	S0012	0.03422	1.36	0.46	0.38	T	Smoke+	STATUS1
hCV1841567	AGTR2	hCG1723753	V0002	0.00010	1.36	0.42	0.35	T	All	STATUS8
hCV2206749			S0012	0.04725	1.47	0.22	0.16	G	Old	STATUS2
hCV2206749			V0002	0.02420	1.33	0.24	0.19	G	All	STATUS9
hCV2392430	CCL22	hCG16479	S0012	0.00379	0.26	0.95	0.99	T	All	STATUS3
hCV2392430	CCL22	hCG16479	V0002	0.00653	0.23	0.94	0.98	T	All	STATUS10
hCV2436946	DHX16	hCG26008	S0012	0.01871	1.85	0.92	0.87	T	Female	STATUS2
hCV2436946	DHX16	hCG26008	V0002	0.03259	1.37	0.88	0.84	T	All	STATUS9
hCV2478069	CACNA1F	hCG2039817	S0012	0.01699	1.51	0.92	0.88	G	All	STATUS2
hCV2478069	CACNA1F	hCG2039817	V0002	0.01837	1.52	0.92	0.89	G	All	STATUS9
hCV2478356	MYH6	hCG1640452	S0012	0.04632	0.72	0.36	0.44	G	All	STATUS3
hCV2478356	MYH6	hCG1640452	V0002	0.02639	0.67	0.34	0.43	G	All	STATUS10
hCV25594325	HAP1	hCG18962	S0012	0.02601	1.69	0.86	0.78	T	Smoke+	STATUS5
hCV25594325	HAP1	hCG18962	V0002	0.01512	1.49	0.87	0.81	T	All	STATUS12
hCV25616048	MTP	hCG37774	S0012	0.00667	0.55	0.93	0.96	G	All	STATUS1
hCV25616048	MTP	hCG37774	V0002	0.00297	0.61	0.93	0.95	G	All	STATUS8
hCV25623506	LTK	hCG39290	S0012	0.04664	2.43	0.05	0.02	T	Female	STATUS1
hCV25623506	LTK	hCG39290	V0002	0.01721	1.48	0.07	0.05	T	All	STATUS8
hCV25644769	AP3B1	hCG1729266	S0012	0.04114	1.45	0.94	0.91	A	All	STATUS1
hCV25644769	AP3B1	hCG1729266	V0002	0.02860	1.42	0.95	0.92	A	All	STATUS8
hCV25750954	PPAP2B	hCG32470	S0012	0.02069	0.43	0.01	0.03	T	All	STATUS1

TABLE 6, page 2 of 5

Marker	Gene Name	hCG	Sample Set	p-value	OR	Case Freq.	Cntrl Freq.	Allele	Strata	Status
hCV25750954	PPAP2B	hCG32470	V0002	0.01346	0.46	0.01	0.02	T	All	STATUS8
hCV25756609		hCG1997137	S0012	0.01272	2.07	0.89	0.80	G	Smoke+	STATUS3
hCV25756609		hCG1997137	V0002	0.01814	1.74	0.88	0.81	G	All	STATUS10
hCV25929384	LRRFIP2	hCG17138	S0012	0.03514	0.26	0.94	0.99	T	Young	STATUS5
hCV25929384	LRRFIP2	hCG17138	V0002	0.01892	0.43	0.95	0.98	T	All	STATUS12
hCV25934188	FLJ10521	hCG1811869	S0012	0.01977	0.64	0.89	0.93	G	All	STATUS2
hCV25934188	FLJ10521	hCG1811869	V0002	0.01636	0.62	0.89	0.93	G	All	STATUS9
hCV25951871	ABCB8	hCG18685	S0012	0.00185	0.45	0.06	0.12	T	Old	STATUS2
hCV25951871	ABCB8	hCG18685	V0002	0.00456	0.60	0.06	0.10	T	All	STATUS9
hCV25956356	SOM	hCG1813420	S0012	0.03240	0.53	0.93	0.96	T	Male	STATUS1
hCV25956356	SOM	hCG1813420	S0012	0.03928	0.46	0.94	0.97	T	Young	STATUS1
hCV25956356	SOM	hCG1813420	V0002	0.04039	0.68	0.94	0.96	T	All	STATUS8
hCV2628220	SEC14L3	hCG177562	S0012	0.02852	1.26	0.33	0.28	G	All	STATUS1
hCV2628220	SEC14L3	hCG177562	V0002	0.02017	1.28	0.36	0.30	G	Male	STATUS8
hCV2628220	SEC14L3	hCG177562	V0002	0.02752	1.30	0.34	0.28	G	Smoke+	STATUS8
hCV2738899	MBL2	hCG27269	S0012	0.00157	1.65	0.74	0.64	T	Old	STATUS2
hCV2738899	MBL2	hCG27269	S0012	0.00229	1.69	0.75	0.64	T	Smoke-	STATUS2
hCV2738899	MBL2	hCG27269	V0002	0.03076	1.39	0.89	0.86	T	All	STATUS9
hCV3017114			S0012	0.02799	0.68	0.76	0.82	G	Smoke+	STATUS1
hCV3017114			V0002	0.02066	0.80	0.76	0.80	G	All	STATUS8
hCV620397	NAB2	hCG41227	S0012	0.01761	1.39	0.68	0.60	T	All	STATUS5
hCV620397	NAB2	hCG41227	V0002	0.00791	1.39	0.69	0.61	T	All	STATUS12
hCV7448676	TCF2	hCG27684	S0012	0.04614	0.73	0.35	0.42	C	Female	STATUS1
hCV7448676	TCF2	hCG27684	S0012	0.02633	0.69	0.34	0.43	C	Smoke-	STATUS1
hCV7448676	TCF2	hCG27684	V0002	0.04229	0.85	0.34	0.38	C	All	STATUS8
hCV7514692	BAT2	hCG40302	S0012	0.04236	0.73	0.26	0.32	C	Smoke+	STATUS1
hCV7514692	BAT2	hCG40302	V0002	0.00265	0.77	0.23	0.28	C	All	STATUS8
hCV7546198	ASB3	hCG1986921	S0012	0.03086	0.54	0.93	0.96	T	All	STATUS5
hCV7546198	ASB3	hCG1986921	V0002	0.01715	0.53	0.92	0.96	T	All	STATUS12
hCV7567311	APOH	hCG1985715	S0012	0.01705	0.72	0.55	0.63	A	Old	STATUS1
hCV7567311	APOH	hCG1985715	V0002	0.04534	0.86	0.54	0.58	A	All	STATUS8
hCV8695563	CAPG	hCG34603	S0012	0.01144	1.54	0.39	0.30	T	All	STATUS3
hCV8695563	CAPG	hCG34603	V0002	0.00495	2.24	0.40	0.23	T	Smoke+	STATUS10
hCV9626088			S0012	0.04948	0.79	0.69	0.74	G	All	STATUS2
hCV9626088			V0002	0.01923	0.77	0.69	0.74	G	All	STATUS9
hCV809542			S0012	0.031096	0.80	0.65	0.70	T	ALL	STATUS1

TABLE 6, page 3 of 5

CL001510

Marker	Gene Name	hCG	Sample Set	p-value	OR	Case Freq.	Cntrl Freq.	Allele	Strata	Status
hCV809542		hCG1780502	V0002	0.0115176	0.81	0.69	0.73	T	ALL	STATUS8
hCV8909292			S0012	0.0207809	0.64	0.89	0.93	T	ALL	STATUS2
hCV8909292		hCG1744287	V0002	0.0200822	0.65	0.89	0.93	T	ALL	STATUS9
hCV11987172			S0012	0.0072519	0.07	0.98	1.00	G	ALL	STATUS5
hCV11987172	SERPINE1	hCG17353	V0002	0.0309285	0.23	0.98	1.00	G	ALL	STATUS12
hCV15850923		hCG1783364	S0012	0.0154486	1.50	0.33	0.25	A	ALL	STATUS6
hCV15850923		hCG1783364	V0002	0.0055283	1.70	0.33	0.22	A	ALL	STATUS17
hCV500906			S0012	0.0339405	0.73	0.47	0.55	G	ALL	STATUS6
hCV500906			V0002	0.0133699	0.65	0.47	0.57	G	ALL	STATUS17
hCV8966367			S0012	0.029013	0.57	0.85	0.91	G	Smoke-	STATUS1
hCV8966367	IRAK1	hCG39214	V0002	0.021353	0.77	0.84	0.88	G	ALL	STATUS8
hCV25933139	LRP11	hCG2030035	S0012	0.0228369	1.30	0.77	0.72	T	ALL	STATUS1
hCV25933139	LRP11	hCG2030035	V0002	0.0433704	1.29	0.75	0.70	T	Old	STATUS8
hCV22272691			S0012	0.0005904	0.36	0.87	0.95	G	Female	STATUS1
hCV22272691			S0012	0.0120025	0.55	0.87	0.93	G	Old	STATUS1
hCV22272691	BLAME	hCG38209	V0002	0.0161662	0.76	0.86	0.89	G	ALL	STATUS8
hCV8701512			S0012	0.0100886	0.65	0.29	0.39	G	Female	STATUS2
hCV8701512	AP4B1	hCG38636	V0002	0.0355314	0.80	0.33	0.38	G	ALL	STATUS9
hCV7492697			S0012	0.0070725	0.68	0.50	0.60	G	Male	STATUS2
hCV7492697	MMP20	hCG41475	V0002	0.0363266	0.81	0.50	0.55	G	ALL	STATUS9
hCV22272691			S0012	0.021499	0.39	0.87	0.94	G	Female	STATUS3
hCV22272691			V0002	0.0198927	0.50	0.85	0.92	G	ALL	STATUS10
hCV7550605			S0012	0.0278417	49.28	0.07	0.00	G	Female	STATUS4
hCV7550605	CXCL12	hCG25667	V0002	0.0097684	2.99	0.09	0.03	G	ALL	STATUS11
hCV7492697			S0012	0.028605	0.67	0.50	0.60	G	Male	STATUS5
hCV7492697	MMP20	hCG41475	V0002	0.0057347	0.72	0.47	0.55	G	ALL	STATUS12
hCV1432204			S0012	0.03015	0.65	0.50	0.60	T	smoke+	STATUS6
hCV1432204	UGT1A1	hCG2039726	V0002	0.0049937	0.63	0.39	0.50	T	ALL	STATUS17
hCV7440082	APG4B	hCG1640757	S0012	0.0363898	1.52	0.63	0.53	G	Male	STATUS6
hCV7440082	APG4B	hCG1640757	V0002	0.0080488	0.64	0.50	0.61	G	ALL	STATUS17
hCV809542		hCG1780502	S0012	0.031096	0.80	0.65	0.70	T	ALL	STATUS1
hCV809542		hCG1780502	V0002	0.0115176	0.81	0.69	0.73	T	ALL	STATUS8
hCV8909292		hCG1744287	S0012	0.0207809	0.64	0.89	0.93	T	ALL	STATUS2
hCV8909292		hCG1744287	V0002	0.0200822	0.65	0.89	0.93	T	ALL	STATUS9
hCV11987172	SERPINE1	hCG17353	S0012	0.0072519	0.07	0.98	1.00	G	ALL	STATUS5
hCV11987172	SERPINE1	hCG17353	V0002	0.0309285	0.23	0.98	1.00	G	ALL	STATUS12

TABLE 6, page 4 of 5

CL001510

Marker	Gene Name	hCG	Sample Set	p-value	OR	Case Freq.	Cntrl Freq.	Allele	Strata	Status
hCV15850923		hCG1783364	S0012	0.0154486	1.50	0.33	0.25	A	ALL	STATUS6
hCV15850923		hCG1783364	V0002	0.0055283	1.70	0.33	0.22	A	ALL	STATUS17
hCV500906			S0012	0.0339405	0.73	0.47	0.55	G	ALL	STATUS6
hCV500906			V0002	0.0133699	0.65	0.47	0.57	G	ALL	STATUS17
hCV8966367	IRAK1	hCG39214	S0012	0.029013	0.57	0.85	0.91	G	Smoke-	STATUS1
hCV8966367	IRAK1	hCG39214	V0002	0.021353	0.77	0.84	0.88	G	ALL	STATUS8
hCV25933139	LRP11	hCG2030035	S0012	0.0228369	1.30	0.77	0.72	T	ALL	STATUS1
hCV25933139	LRP11	hCG2030035	V0002	0.0433704	1.29	0.75	0.70	T	Old	STATUS8
hCV22272691			S0012	0.0005904	0.36	0.87	0.95	G	Female	STATUS1
hCV22272691			S0012	0.0120025	0.55	0.87	0.93	G	Old	STATUS1
hCV22272691	BLAME	hCG38209	V0002	0.0161662	0.76	0.86	0.89	G	ALL	STATUS8
hCV8701512	AP4B1	hCG38636	S0012	0.0100886	0.65	0.29	0.39	G	Female	STATUS2
hCV8701512	AP4B1	hCG38636	V0002	0.0355314	0.80	0.33	0.38	G	ALL	STATUS9
hCV7492697	MMP20	hCG41475	S0012	0.0070725	0.68	0.50	0.60	G	Male	STATUS2
hCV7492697	MMP20	hCG41475	V0002	0.0363266	0.81	0.50	0.55	G	ALL	STATUS9
hCV22272691			S0012	0.021499	0.39	0.87	0.94	G	Female	STATUS3
hCV22272691			V0002	0.0198927	0.50	0.85	0.92	G	ALL	STATUS10
hCV7550605	CXCL12	hCG25667	S0012	0.0278417	49.28	0.07	0.00	G	Female	STATUS4
hCV7550605	CXCL12	hCG25667	V0002	0.0097684	2.99	0.09	0.03	G	ALL	STATUS11
hCV1432204	UGT1A1	hCG2039726	S0012	0.03015	0.65	0.50	0.60	T	smoke+	STATUS6
hCV1432204	UGT1A1	hCG2039726	V0002	0.0049937	0.63	0.39	0.50	T	ALL	STATUS17
hCV7440082	APG4B	hCG1640757	S0012	0.0363898	1.52	0.63	0.53	G	Male	STATUS6
hCV7440082	APG4B	hCG1640757	V0002	0.0080488	0.64	0.50	0.61	G	ALL	STATUS17
hCV25955000	FLJ21941	hCG2008146	V0002	0.0163899	1.36	0.92	0.89	T	ALL	STATUS8
hCV25955000	FLJ21941	hCG2008146	S0012	0.0136678	1.47	0.91	0.87	T	ALL	STATUS1
hCV525993		hCG31412	V0002	0.0363314	1.34	0.10	0.07	T	ALL	STATUS8
hCV525993		hCG31412	S0012	0.0454906	1.43	0.11	0.08	T	ALL	STATUS1
hCV1345898			S0012	0.0355577	1.41	0.52	0.43	T	ALL	STATUS3
hCV1345898			V0002	0.021273	1.53	0.49	0.39	T	ALL	STATUS10
hCV25624196			S0012	0.0270918	0.46	0.92	0.96	A	ALL	STATUS3
hCV25624196			V0002	0.0090719	0.37	0.90	0.96	A	ALL	STATUS10
hCV25990513			S0012	0.0103204	0.55	0.11	0.18	A	ALL	STATUS3
hCV25990513			V0002	0.015394	0.58	0.15	0.23	A	ALL	STATUS10
hCV2845057	CCL22	hCG16479	S0012	0.0168353	0.25	0.96	0.99	G	ALL	STATUS3
hCV2845057	CCL22	hCG16479	V0002	0.0324407	0.27	0.95	0.98	G	ALL	STATUS10
hCV15878502	INSR	hCG21793	S0012	0.0061239	0.76	0.48	0.55	T	ALL	STATUS1

TABLE 6, page 5 of 5

Marker	Gene Name	hCG	Sample Set	p-value	OR	Case Freq.	Cntrl Freq.	Allele	Strata	Status
hCV15878502	INSR	hCG21793	V0002	0.0225885	0.77	0.47	0.54	T	Smoke+	STATUS8
hCV25613491	SCARF1	hCG28713	S0012	0.1819586	1.80	0.04	0.02	T	Smoke+	STATUS1
hCV25613491	SCARF1	hCG28713	V0002	0.0325765	0.66	0.03	0.05	T	ALL	STATUS8
hCV25745014		hCG1654640	S0012	0.0285892	2.09	0.97	0.93	G	Young	STATUS1
hCV25745014		hCG1654640	V0002	0.0380622	1.49	0.96	0.95	G	ALL	STATUS8
hCV3078697	PLXNC1	hCG40093	S0012	0.0045365	0.57	0.72	0.82	G	Smoke-	STATUS1
hCV3078697	PLXNC1	hCG40093	V0002	0.010952	0.79	0.76	0.80	G	ALL	STATUS8
hCV3189952	ICSBP1	hCG17046	S0012	0.0282624	0.62	0.79	0.86	T	Smoke-	STATUS2
hCV3189952	ICSBP1	hCG17046	V0002	0.0076905	0.68	0.81	0.86	T	ALL	STATUS9
hCV25473085	ALPL	hCG38868	S0012	0.0443649	2.09	0.93	0.86	T	Female	STATUS3
hCV25473085	ALPL	hCG38868	V0002	0.0084834	1.99	0.91	0.83	T	ALL	STATUS10
hCV25952351			S0012	0.004261	1.81	0.50	0.35	G	Smoke+	STATUS3
hCV25952351			V0002	0.0407538	1.46	0.48	0.38	G	ALL	STATUS10
hCV358293			S0012	0.0265449	1.73	0.69	0.57	T	Female	STATUS3
hCV358293			V0002	0.0022203	1.77	0.71	0.58	T	ALL	STATUS10
hCV2282539	PIR	hCG15752	S0012	0.0142001	0.45	0.88	0.94	G	Old	STATUS5
hCV2282539	PIR	hCG15752	V0002	0.0191959	0.61	0.89	0.93	G	ALL	STATUS12
hCV3128078	C1orf29	hCG24062	S0012	0.036297	1.57	0.35	0.25	G	Female	STATUS5
hCV3128078	C1orf29	hCG24062	S0012	0.0432091	1.58	0.34	0.24	G	Smoke-	STATUS5
hCV3128078	C1orf29	hCG24062	V0002	0.0219885	1.34	0.37	0.30	G	ALL	STATUS12
hCV2332906		hCG1645854	S0012	0.0145793	1.76	0.65	0.51	T	Female	STATUS6
hCV2332906		hCG1645854	V0002	0.0160207	1.51	0.63	0.52	T	ALL	STATUS17
hCV985775	PCDHB10	hCG1980720	S0012	0.0206739	2.41	0.95	0.88	A	Male	STATUS6
hCV985775	PCDHB10	hCG1980720	V0002	0.0304696	1.77	0.90	0.83	A	ALL	STATUS17
hCV25990513	LAMA2	hCG21784	V0002	0.0499143	0.67	0.14	0.20	A	Smoke-	STATUS9
hCV25990513	LAMA2	hCG21784	S0012	0.0439849	0.67	0.17	0.23	A	Smoke-	STATUS2